# Open Rasta / Solr Lucene

Create a project using Open Rasta & Solr Lucene as a prelude for my adventures at 7Digital. If there is a chance to incorporate messaging and service buses then go ahead with that too.

## Features to Consider

1. Multiple resource representations
   1. Json
   2. Xml
   3. Html
2. Use RavenDb and query it with lucene
3. Have a reporting section that can layer on some really complex lucene features
4. Support full CRUD to really road test Open Rasta
5. Http features
   1. Etags
   2. Use header values and url to determin content type
   3. Language settings

## Options

1. Do a StackOverflow clone – use their API
2. Do a 7Digital clone – use their API – would be clever wouldn’t it?

## Plan

**Phase 1 –** Open Rasta Human Web

1. Create a simple read-only system that gets records from 7Digital and displays them as html
2. Now layer on the full features of CRUD

**Phase 2 –** Open Rasta REST Client basics

1. Multiple multiple content types – read scenarios
2. Allow creates, updates and deletes using full set of HTTP verbs
3. Use features that enable Hyperlinking – particularly between resources
   1. Link from home page to resources – human and API
   2. WADL ?? (Check book to see what they do)
   3. Paged resources

**Phase 3 –** Enter Lucene

1. Allow filtering on entities – facilitated in the back end by Lucen
2. Maybe add a reporting feature to expand on the usage of Solr Lucene?

**Phase 4 –** Advanced features

1. Crank up the Open Rasta features
   1. Extensibility
   2. Conventions
   3. Go through the source code for ideas of hidden features
   4. Look at more doc
   5. Authentication

### Phase 1

1. Create handlers that display dummy data
   1. Artists
   2. Releases
   3. Tracks
2. Grab some data from the api and push that into RavenDb – check it all still works

## Phase 2

**Human Web**

1. Allow releases to be created for existing artists and existing albums
   1. List of available options in a drop down – if not ridiculously slow
   2. Overloaded post
2. Add a page showing the details for a single release
3. Allow releases to be deleted
   1. Delete method
4. Allow releases to be updated
   1. Overloaded post